

IDENTIFICATION INFORMATION

Originator: Maryland Department of Natural Resources

Publication_Date: 19960829

Title: Protected Lands Data

Edition: DRAFT Version I

Geospatial_Data_Presentation_Form: map

Series_Name: DRAFT Version I

Issue_Identification: None

Publication_Place: Annapolis, Maryland

Publisher: Maryland Department of Natural Resources

Abstract: The Protected Lands data consists of six layers of mapped information that represent (1) Federally-owned lands, (2) lands owned by the Maryland Department of Natural Resources, (3) county park lands, (4) privately owned conservation lands, (5) Maryland Environmental Trust easements, and (6) Maryland Department of Agriculture easements. In some cases, DNR-owned lands include potential/planned acquisition areas (project boundaries) that are not actually in State or County ownership at this time.

Purpose: These files were created for planning purposes and should not be used as a definitive source of mapped data for any of the associated types of land ownership. There have been intentional omissions due to sensitive data types and in some cases, the source documents can not be considered as complete.

Calendar_Date: 1994 January - All data should be current as of this date. Agricultural easements are current through December 1994.

Currentness_Reference: publication date

Progress: Not Complete. Data is in quality control editing for factors other than spatial accuracy which is not being attempted at this time.

Maintenance_and_Update_Frequency: Annually (Proposed)

West_Bounding_Coordinate: -79.4938000000

East_Bounding_Coordinate: -75.0450000000

North_Bounding_Coordinate: 39.7425000000

South_Bounding_Coordinate: 37.8713000000

Theme_Keyword_Thesaurus: None

Theme_Keyword: Protected Lands

Theme_Keyword: Agricultural Easements

Theme_Keyword: Maryland Environmental Trust Easements

Theme_Keyword: Federal Lands

Theme_Keyword: Department of Natural Resources Lands

Theme_Keyword: County Lands

Place_Keyword_Thesaurus: None

Place_Keyword: Maryland

Access_Constraints: Not available for general distribution.

Use_Constraints: The Protected Lands file represents the results of data collection/processing for a specific Maryland Department of Natural Resources activity and indicates the general existing conditions. As such, it is only valid for it's intended use, content, time, and accuracy specifications. The user is responsible for the results of any application of the data for other than it's intended purpose. Please note that the data has not been checked for spatial accuracy and general quality assurance checks have not been completed.

Contact_Person: Ken Miller

Contact_Position: Chief of Data Production Services - GIS Division

Contact_Organization: Maryland Department of Natural Resources

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Data_Set_Credit: Data were contributed by the Resource Planning Unit of the Department of Natural Resources for County Parks, Federal Lands and DNR-owned Lands. The Maryland

Department of Agriculture provided the source data for Agricultural Easements and verified the data accuracy. The Maryland Environmental Trust provided the source data for the MET Easements and verified the data accuracy. The Chesapeake Bay Foundation, Maryland Ornithological Society and the Nature Conservancy all provided source information regarding the locations of their properties. In the case of County Park Lands, Montgomery County and Prince George's County provided digital data. Work on these data were performed at various times by Frostburg State University and Salisbury State University working under contract to various units of the Department of Natural Resources.

Native_Data_Set_Environment: The data have been produced at varying sites principally using ArcInfo and TNTmips software products on personal computer platforms. Due to the length of the project, multiple versions of each software package have been used. Final editing and data conversion were accomplished using TNTmips versions 5.2, 5.3 and 5.4 and PC ARC Version 3.4.2.

DATA QUALITY INFORMATION

Attribute Accuracy: Attributes have not been completely edited and the user should consider all attributes suspect. Verify any attributes of special concern.

Logical_Consistency_Report: Polygons intersecting the limit of the file (county or State boundary, depending on the individual file) are not necessarily closed along the boundary to show large contiguous properties. Segments making up the boundary of a polygon tie end-to-end to completely enclose the area. Duplicate features may exist with a variety of "stray" line elements that are an artifact of editing performed by several individuals at different locations using different commercially available software packages. Duplicate nodes may exist in the file and in some cases duplicate or unnecessary nodes have prevented proper conversion between file structures (e.g. MIPS.RVC to DLG3 Optional). Tests for logical consistency and required data "cleaning" are still in process at the time of this draft data release.

Completeness_Report: All known features of the individual data layers were mapped through the following years; Agricultural Easements and Districts, December 1994; Maryland Environmental Trust Easements, January 1994; Federal Lands, December 1994; County Parks, June 1994; Private Conservation Lands, June 1994; Department of Natural Resources owned lands, June 1994. A good faith effort has been made to be as inclusive as possible, however, land transfers occur on a daily basis and could result in inaccurate information. In addition, there are a limited number of privately owned conservation lands that the holders did not wish to see displayed in a mapped form. See Appendix A for an explanation of file names.

Horizontal_Positional_Accuracy_Report: Data (except DNR Lands) may not meet accuracy standards at 1:63,360 scale. Although the data were typically compiled at 1:24,000 scale and larger, they were unknowingly adjusted to an inaccurate map base with a scale of 1:62,500. According to the Resource Planning Unit, DNR Lands are accurate when displayed at 1:24,000 scale.

Vertical_Positional_Accuracy_Report: There are no vertical data references.

Source_Contribution: The protected lands were compiled through a variety of contractors and Department of Natural Resources units that collected the data on State parcel maps, USGS 7.5' topographic maps, State 1:62,500 topographic maps, various other map types and in some cases, hand drawn maps. Some of the sources were digitized manually on a table digitizer while others were "heads-up" digitized on-screen from the source documents. In addition, many features were edited on-screen to fit the Maryland Geological Survey 1:62,500 county topographic maps.

Process_Date: Not complete

SPATIAL DATA ORGANIZATION

Spatial_Data_Organization: Vector

SPATIAL REFERENCE INFORMATION

Grid_Coordinate_System_Name: State Plane Coordinate System 1927

SPCS_Zone_Identifier: 1900

Map_Projection: Lambert Conformal Conic

Standard_Parallel: 38.3000000000

Standard_Parallel: 39.4500000000

Longitude_of_Central_Meridian: -77.0000000000

Latitude_of_Projection_Origin: 37.8333333333

False_Easting: 800000.0000000000

False_Northing: 0.0000000000

Planar_Coordinate_Encoding_Method: coordinate pair

Abscissa_Resolution: 1.000000000 foot

Ordinate_Resolution: 1.000000000 foot

Planar_Distance_Units: survey feet

Horizontal_Datum_Name: North American Datum of 1927

Ellipsoid_Name: Clarke 1866

Semi-Major Axis: 6378206.0

Denominator_of_Flattening_Ratio: 294.98

ENTITY AND ATTRIBUTE INFORMATION

Entity_and_Attribute_Overview: Each separate layer in the Protected Lands Data has its own attribute coding scheme described as follows: The Agricultural Easements file includes actual easement properties that are identified by attributes that begin with an E followed by a sequential numeric identifier used by the Maryland Department of Agriculture (MDA) Agricultural Districts are identified by a sequential numeric identifier used by MDA, valid parcels in the confines of the Ag. Districts that are not part of the District are attributed NID, parcels that have been withdrawn or terminated have a T or W prefix on the attribute, unclassified polygons are called unattributed and in limited cases, a waterbody crossing through an easement or district will be attributed Waterbody. Polygons representing the Maryland Environmental Trust (MET) Easements are attributed with unique code numbers used by MET. Federal lands, Department of Natural Resources (DNR) lands, County Parks, and Private Conservation lands are typically identified by the commonly used name for the property. Inholdings are attributed as such in these layers and in the case of private conservation lands, parcels that the owners do not want identified by name are identified by a sequential number in each file. The DNR Lands file is typically attributed by a commonly used name for the largest parcel in an associated group with numeric code codes linked to the common name for other polygons in that group. For example, a wildlife management area may have eleven polygons for a tract that is managed as one unit under one name. One polygon will have the common name and the remainder will have a common numeric code that is also in the named polygon.

Entity_and_Attribute_Detail_Citation: Attributes are typically based on common property names or the tracking system identification numbers used by the various management agencies.

Entity_Type_Label: Protected Lands

Entity_Type_Definition: Lands that are generally protected from development.

Entity_Type_Definition_Source: Department of Natural Resources

Attribute_Label: Protected Lands Individual Layer

Attribute_Definition: There are six distinct layers of information in the Protected Lands file.

Attribute_Definition_Source: Department of Natural Resources

Codeset_Name: Valid Protected Lands Classification Code List.

Codeset_Source: Department of Natural Resources

Attribute_Measurement_Frequency: As needed

Contact_Organization: Maryland Department of Natural Resources

Contact_Person: Ken Miller

Contact_Position: Chief of Data Production Services - GIS Division

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DISTRIBUTION INFORMATION

Resource_Description: Protected Lands

Distribution_Liability: These data represent the results of data collection/processing for a specific Maryland Department of Natural Resources activity and indicates the general existing conditions. As such, they are only valid for their intended use, content, time, and accuracy specifications. The user is responsible for the results of any application of the data for other than their intended purpose.

Standard Order Process: This draft version of the data shall only be released with the consent of Ken Miller.

Format Name: Draft data may be distributed in ARC/INFO Export Format, TNTMips.RVC Format, and/or DLG3 Optional Format.

Offline Option: Compound

Offline Media: CD-ROM

Recording Density: Not compressed

Recording Format: ISO 9660 Single Session

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Contact_Person: Ken Miller

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METADATA REFERENCE INFORMATION

Metadata_Date: 19960628

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Metadata_Standard_Name: FGDC Content Standards for Digital
Geospatial Metadata

Metadata_Standard_Version: 19940608

Metadata_Access_Constraints: The Protected Lands data were
created for the internal use of the Department of Natural
Resources and are not complete at the time of this metadata form.
Anyone receiving this data should not redistribute it, because
the data contain errors that will be corrected by the Department
of Natural Resources. Data being distributed prior to completion
is being done as a courtesy to other agencies or companies
involved in work that will benefit from use of the data.

Metadata_Security_Classification_System: There are no
Restrictions on releasing the metadata for the Protected Lands
Data.

Appendix A

File names for the protected lands data contain two logical parts. They include the county name according to the county codes listed below, followed by an underscore, followed by the particular layer of the protected lands file according to the abbreviations listed below the county codes.

The following is an example for the Allegany County Agricultural Districts and Easements file. AL_AGS

The abbreviations associated with each county are as follows:

AA - ANNE ARUNDEL	HA - HARFORD
AL - ALLEGANY	HO - HOWARD
BA - BALTIMORE COUNTY *	KE - KENT
BC - BALTIMORE CITY *	MO - MONTGOMERY
CA - CALVERT	PG - PRINCE GEORGE'S
CO - CAROLINE	QA - QUEEN ANNE'S
CL - CARROLL	SM - SAINT MARY'S
CE - CECIL	SO - SOMERSET
CH - CHARLES	TA - TALBOT
DO - DORCHESTER	WA - WASHINGTON
FR - FREDERICK	WI - WICOMICO
GA - GARRETT	WO - WORCESTER

* - For the Federal properties data set, BA_FED. covers both Baltimore County and City.

The fourth, fifth, and sixth characters represent the different layers in the protected lands data set. The associated abbreviations are as follows:

AGS - Agricultural Districts and Easements
 COP - County Parks
 FED - Federal properties
 MET - Maryland Environmental Trust Easements
 PRV - Privately owned conservation areas

Note: In general, there are five data sets per county. However, some counties may not have a file for each of these protected lands layers. This indicates that no data exists for that layer in that county.

The Department of Natural Resources-owned properties data is a statewide data set. This data is in E00 and RVC formats only, with the following file name: DNRLANDS.???

The data appears in three different formats on this disk, RVC, E00, and DLG/DBF. The RVC files are in the subdirectories of the PL_RVC directory. The E00 and DLG/DBF files are in the subdirectories of the PL_EXP directory. The subdirectories (of PL_EXP or PL_RVC) associated with each layer are as follows:

AGLANDS - Agricultural Districts and Easements
 COPARKS - County Parks
 DNRLANDS - DNR-owned properties
 FEDLANDS - Federal properties

MET - MD Environmental Trust Easements
PRVCONS - Privately owned conservation areas

The .DLG and .DBF files can be used together to import a file into a GIS system. The DLG files contain the line work and a polygon identification number. The DBF files contain the polygon identification number and the associated attributes in each record of the file. The .E00 files are ARC/INFO Export files. The RVC files are TNTmips data files.

The metadata for the Protected Lands data set is on the root directory of this disk. It is the file named METADATA.PL2